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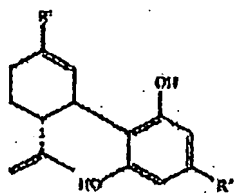
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## WHAT IS CLAIMED IS:

1. Use of a cannabidiol for the manufacture of a medicament having no psychotropic activity identified for the treatment or prevention of hyperglycemia and/or glucosuria.

2. The use of claim 1, wherein said cannabidiol comprises a compound having the general formula:



(I)

wherein R' is alkyl, COOH or CH<sub>2</sub>OH; and

R'' is selected from the group consisting of a straight or branched alkyl having 5 to 12 carbon atoms; an -OR''', where R''' is straight or branched alkyl having 5 to 9 carbon atoms, or a straight or branched alkyl substituted at the terminal carbon atom by a phenyl group; and a -(CH<sub>2</sub>)<sub>n</sub>-O-alkyl group, where n is an integer from 1 to 7 and the alkyl group has 1 to 5 carbon atoms.

3. The use of claim 2, wherein R' is CH<sub>3</sub> and R'' is a straight alkyl having 5 carbon atoms (C<sub>5</sub>H<sub>11</sub>).

4. The use of claim 1, wherein said cannabidiol comprises a natural cannabidiol.

5. The use of claim 4, wherein said natural cannabidiol is extracted from Cannabis.

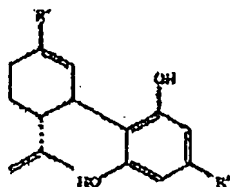
8. The use of claim 1, wherein said medicament is formulated for parenteral administration.

9. The use of claim 1, wherein said medicament is formulated for oral administration.

10. The use of claim 1, wherein said medicament is formulated for transdermal administration.

11. Use of a cannabidiol for the manufacture of a medicament identified for the treatment or prevention of insulinitis.

12. The use of claim 11, wherein said cannabidiol comprises a compound having the general formula:



(I)

wherein R' is alkyl, COOH or CH<sub>2</sub>OH; and

R'' is selected from the group consisting of a straight or branched alkyl having 5 to 12 carbon atoms; an -OR''', where R''' is straight or branched alkyl having 5 to 9 carbon atoms, or a straight or branched alkyl substituted at the terminal carbon atom by a phenyl group; and a -(CH<sub>2</sub>)<sub>n</sub>-O-alkyl group, where n is an integer from 1 to 7 and the alkyl group has 1 to 5 carbon atoms.

13. The use of claim 12, wherein R' is CH<sub>3</sub> and R'' is a straight alkyl having 5 carbon atoms (C<sub>5</sub>H<sub>11</sub>).

14. The use of claim 11, wherein said cannabidiol comprises a natural cannabidiol.

15. The use of claim 14, wherein said natural cannabidiol is extracted from Cannabis.

16. The use of claim 11, wherein said medicament is formulated for

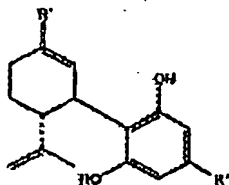
parenteral administration..

17. The use of claim 11, wherein said medicament is formulated for oral administration.

18. The use of claim 11, wherein said medicament is formulated for transdermal administration.

19. Use of a cannabidiol for the manufacture of a medicament for prolonging survival of transplanted pancreatic cells.

20. The use of claim 19, wherein said cannabidiol comprises a compound having the general formula:



wherein R' is alkyl, COOH or CH<sub>2</sub>OH; and

R'' is selected from the group consisting of a straight or branched alkyl having 5 to 12 carbon atoms; an -OR''', where R''' is straight or branched alkyl having 5 to 9 carbon atoms, or a straight or branched alkyl substituted at the terminal carbon atom by a phenyl group; and a -(CH<sub>2</sub>)<sub>n</sub>-O-alkyl group, where n is an integer from 1 to 7 and the alkyl group has 1 to 5 carbon atoms.

21. The use of claim 20, wherein R' is CH<sub>3</sub> and R'' is a straight alkyl having 5 carbon atoms (C<sub>5</sub>H<sub>11</sub>).

22. The use of claim 1, wherein said cannabidiol comprises a natural cannabidiol.

23. The use of claim 4, wherein said natural cannabidiol is extracted from Cannabis.